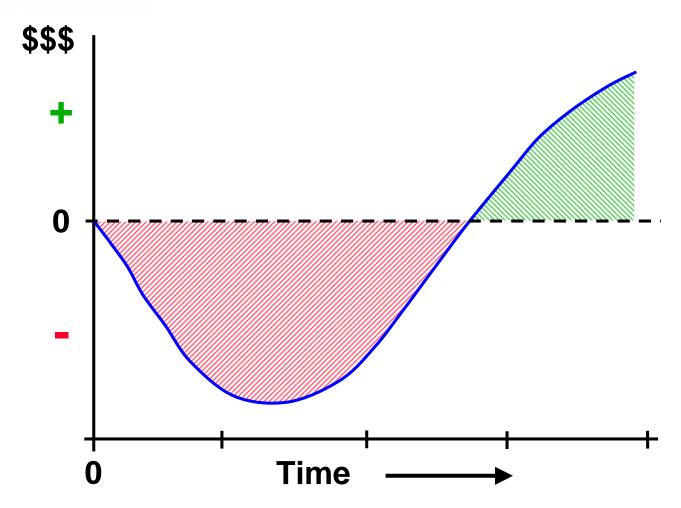
# **Business Case for Partnering**







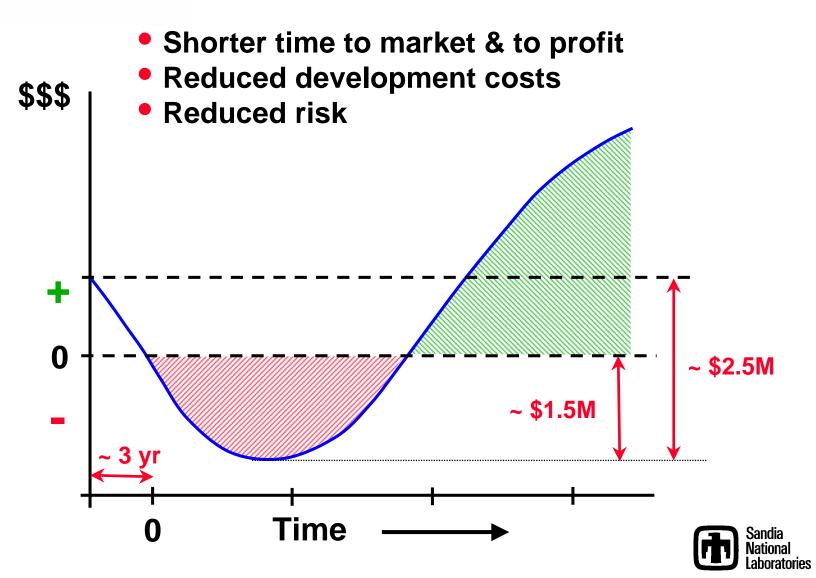
# **Typical Technology Development**







### **Benefits of Partnering**

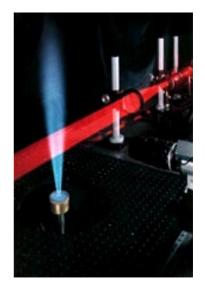




#### **Additional Benefits**

- Access <u>broad</u> SNL expertise & resources (now & future)
- Synergy of combined expertise / capabilities
- Inside track to new technology & IP

**Lower Emissions** 



**Combustion R&D** 

Non-Destructive Inspection of Aging Aircraft





**Better Airbags** 





#### **Still More Benefits**

- Free up R&D capital (\$1.5M ÷ 10 co. = \$150k)
- Highly leveraged investment (~10x)
- Less demand on your internal R&D resources







### **Example Bottom Line Impact**

- GM -- 200% Throughput Increase
  - ⇒ 50% lower capital equipment costs
  - $\Rightarrow$  ~ \$15M saved per transfer line







IPST -- 67% Energy Reduction
 ⇒ potential \$800M / yr savings





## **Independently Documented ROI**

**Tech Transfer to TST, Inc.** 

Includes gov't sunk costs
Direct costs only

discounted @ 7%	total costs #1 (knowledge+grant)	4,142,908	
	total costs #2 (grant)	65,035	
	total benefits	14,919,142	
	benefits/costs#1	4	
	benefits/costs #2	229	!!

Falcone & Bjornstadt, University of New Mexico





### **Bottom Line**

- Save time / money
- Reduce risk / internal resource demand
- Access new technology / IP



